

Bestwood Melamine

Technical Data Sheet

BPIR class 1

AUGUST 2025

Bestwood Melamine is a low pressure laminate pressed onto particleboard or MDF substrates. Stylish, durable and cost effective, Bestwood Melamine is suitable for use in cabinetry, shelving, furniture and decorative wall panels.

Bestwood Melamine Panels are available in solid colours, patterns or woodgrain designs, and can be pressed single-sided or double-sided on a range of thicknesses.



10 Year
Warranty



UV
Stable



Easy
to Clean



Eco
Choice
Aotearoa

Declare.



Product Name: Bestwood Melamine

Product line and identification: Colour name and plate finish

Manufacturer: New Zealand Panels Group

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Website: www.bestwood.co.nz

NZBN: 9429041375129

1. INTENDED USE

Bestwood Melamine can be used for doors, drawers and panels in kitchens, wardrobes, wall linings, bathroom vanities, laundries, commercial furniture, shop fittings and shelving.

2. LIMITATIONS

Bestwood Melamine is not suitable for use in exterior applications or interior applications where ambient environmental moisture content is likely to be elevated for extended periods such as interior swimming pool, sauna or industrial wet areas.

While Bestwood Melamine has excellent water and vapour resistance, care should be taken not to expose raw edges or edging to high moisture applications.

Where Bestwood Melamine is required to meet the requirements of the New Zealand Building Code, or forms part of a building

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system, the application and supporting structures must be designed by suitably qualified design professionals.

This data sheet should be read in conjunction with the limitations outlined in the relevant Bestwood substrate Technical Data Sheet.

Installation

Specific installation instructions are not provided as the product is primarily used for the manufacturing of kitchens, furniture and fittings.

3. MANUFACTURE

The Bestwood Melamine surface is made from plain coloured or printed décor paper impregnated with melamine resin. The base paper weight of between 70 g/m², and 120 g/m² results in a finished surface lamination thickness of between 0.075mm and 0.200mm.

The melamine laminated surface is pressed under heat and pressure onto the substrate between metal press plates at the New Zealand Panels Group manufacturing facilities in Auckland and Nelson. The metal press plate determines the texture of the finished surface.

4. PHYSICAL PROPERTIES

The physical properties and characteristics below are for the laminated melamine surface only. These should be read in conjunction with the appropriate Bestwood substrate physical properties.

Bestwood Melamine paper is sourced from a number of international suppliers, the following table is intended to be indicative of the properties and are representative of most sizes, colours and textures.

There are no additives, preservatives, fungicide or pesticides used for the storage or transport of this product.

Test	Method	Unit	Solid Colours	Printed Patterns
Appearance	AS/NZS 4266.2 Section 2	Visual	Complies with AS/NZ 1859.3:2017 Clause 2.2	
Resistance to Surface Abrasion	AS/NZS 4266.2 Section 3	Revolutions	> 500	> 100
Porosity	AS/NZS 4266.2 Section 5	Rating	Faint marking	

Steam Resistance	AS/NZS 4266.2 Section 6	Rating	No visible swelling
Cracking Resistance	AS/NZS 4266.2 Section 7	Visual	No visible cracks or micro cracks

Stain Resistance			
Beetroot Juice	AS/NZS 4266.2 Section 8	Visual	Complete removal
Coffee			Faint Stain
Tomato Sauce			Complete removal
Black Pen			Complete removal
Shoe Polish			Complete removal

VOC (MDF)	Standard	Rating	Emissions
Formaldehyde	AS/NZS 1859.2	E0	≤ 0.5mg/lit

5. SUBSTRATE OPTIONS

Bestwood Melamine is available pressed onto substrates including MDF Standard, MDF MR (moisture resistant), MDF FR (fire resistant), MDF FR Black, Particleboard and Particleboard MR. Please refer to the substrate chart on the Bestwood website. For specific tolerances and details, refer to the dedicated Technical Data Sheet for each of the substrate options also available on the Bestwood website

www.bestwood.co.nz

6. ECO CHOICE AOTEAROA

Bestwood Melamine carries an Eco Choice Aotearoa certification when pressed on 6mm MDF or thicker, and 9mm Particleboard or thicker. The Eco Choice Aotearoa certificate (licence No. 3210078) for EC-32-17 Furniture, Fittings & Floorings is available to download on the Bestwood website www.bestwood.co.nz

To view all of the Eco Choice Aotearoa certified products from New Zealand Panels Group, view our profile on the Eco Choice Aotearoa [website](#).

7. COMPLIANCE

New Zealand Building Code Clause B2 Durability: Bestwood Melamine meets the durability requirements for interior linings of five years in accordance with B2 3.1(c)

New Zealand Building Code Clause C3 Protection from Fire: Bestwood Melamine pressed on Bestwood MDF FR Black has been tested by Applus LGAI in accordance

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with UNE-EN 13501-1:2019 and has been classified as B-s1,d0. According to NZBC Acceptable Solutions C/AS2 Appendix C Table C1.1 European Classification B-s1 is the equivalent to Group Number 1-s.

Bestwood Melamine pressed on Bestwood MDF FR MR has been tested by Applus LGAI in accordance with UNE-EN 13501-1:2019 and has been classified as C-s1,d0. According to NZBC Acceptable Solutions C/AS2 Appendix C Table C1.1 European Classification C-s1 is the equivalent to Group Number 2-s.

Substrate	Decor	Group Number	Euroclass
Bestwood MDF FR Black	Bestwood Melamine	1-s	B-s1, d0
Bestwood MDF FR MR (green)	Bestwood Melamine	2-s	C-s1, d0
Bestwood MDF Standard	Bestwood Melamine	3	

NZ Building Act Section 26: Bestwood Melamine is NOT subject to warning or ban under Section 26 of the New Zealand Building Act.

8. SUSTAINABILITY

New Zealand Panels Group is committed to sustainable manufacturing practices that minimise our environmental impact while delivering high-quality products to our customers. Our goal is to continuously improve our environmental and social performance and contribute to a more sustainable future.

A key platform of our company's values is the importance of the environment and protecting our future. We are dedicated to reducing our environmental footprint through:

- Responsible sourcing of raw materials, prioritizing certified and sustainable wood-based products.
- Reducing waste and promoting recycling throughout our production processes.
- Minimizing emissions and energy consumption through efficient manufacturing practices.
- Using low-emission adhesives and coatings to improve indoor air quality.
- Having independent environmental certifications that require external audits of our waste production and energy usage, along with our materials supply chain.

- Measuring and reducing our operational greenhouse gas emissions per unit produced.

Our melamine panels carry the following accreditations, which combined, provide a maximum of 24 RPV points, that help contribute 3 points towards Greenstar and 2 points towards Homestar projects.



9. CARE AND MAINTENANCE

Bestwood Melamine is low maintenance and easy to clean. Simply wipe down with a clean, damp cloth. Spills, splashes, stains and greasy fingerprints should be tackled early with warm water and detergent or a general purpose spray and wipe cleaner.

Important: Always wipe with a damp cloth, then a dry cloth after cleaning to remove moisture. Never use abrasive cleaners or cleaning tools on Bestwood Melamine such as; Jif, Vim, Brasso, steel wool or abrasive sponges. We also recommend caution in using bleach and alcohol-based cleaners. Do not use citrus based cleaners as these may cause damage and leave a sticky residue on the surface.

10. HEALTH AND SAFETY

Bestwood Melamine should be handled in accordance with the Bestwood Melamine Safety Data Sheet (SDS) which is available online at www.bestwood.co.nz

Dust from wood and resins used in the manufacture of Bestwood Melamine are known health hazards. When machining Bestwood Melamine panels, including drilling, planing routing and sawing, a suitable class P1 or P2 respirator should be worn along with non-fogging safety glasses.

To avoid cuts from sharp edges suitable protective gloves should be worn.

Where Bestwood MDF Standard or MDF MR substrate is selected in Bestwood Melamine, formaldehyde emission class E0 = less than 0.5mg/litre.

11. HANDLING AND STORAGE

Store only in dry interior conditions on a minimum of three bearers across the full width of the panels keeping the panels flat at all times.

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- Avoid leaning panels against walls.
- Do not store or transport panels in direct sunlight.
- Store panels where construction traffic and construction activity will not damage panels.
- Treat panels as a finished product and avoid dragging panels on the outer surface or across other surfaces.

12. WARRANTY

New Zealand Panels Group offers a 10 year warranty on its Bestwood Melamine provided it is used for its intended purpose as interior cabinetry, and stored and installed in accordance with best practice, in a tradesman like manner and in accordance with relevant Standards and New Zealand Building Code requirements. To view a copy of the full warranty, please download from our website at [**www.bestwood.co.nz**](http://www.bestwood.co.nz)

13. TECHNICAL SUPPORT

Further information and technical support is available by contacting Bestwood on 0800 866 678. This publication was updated in August 2025. Please ensure that you are using the latest publication by contacting Bestwood or downloading the latest Technical Data Sheet from [**www.bestwood.co.nz**](http://www.bestwood.co.nz). Bestwood, a business unit of New Zealand Panels Group, reserves the right to make changes to information in this publication without notice.

14. HANDY LINKS AND REFERENCES

Bestwood Melamine Warranty Document
[**www.bestwood.co.nz**](http://www.bestwood.co.nz)

Bestwood Melamine SDS
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